

Approved Course List for Option Electives

May select any courses offered in the College of Ag, including Ag Econ as well as the Biology department, and those courses listed here.
Additional courses may be acceptable. Please discuss with your advisor.

ACCT 201	Fundamentals of Accounting	3	GEOG 455	Introduction to Geographic Info Sys	4
AGEC 242	Intro to Agricultural Mgmt	3	GEOG 456	Adv Geographic Info Sys	3
ACEC 244	Agricultural Marketing	3	GEOG 470	Remote Sensing	3
AGEC 246	Intro to Agricultural Finance	3	GEOG 480	Geographic Info Sys Pattern Analysis & Modeling	3
AGEC 3xx/4xx			IME 335	Welding Technology	3
ANSC 114	Intro to Animal Sciences	3	MGMT 320	Foundations of Management	3
ANSC 196	Field Experience	1-15	MGMT 3xx/4xx		
ANSC 220	Livestock Production	3	MRKT 320	Foundations of Marketing	3
ANSC 222	Meat Animal Evaluation	2	MRKT 3xx/4xx		
ANSC 320	Dairy Cattle Selection	1-2	ME 311	Intro to Aviation	3
ANSC 323	Fundamentals of Nutrition	3	ME 312	Intro to Flight	2
ANSC 330	Meat Selection, Grading & Judging	1-2	ME 313	Commercial Instrument Ground School	3
ANSC 331	Livestock Selection	1-2	PLSC 110	World Food Crops	3
ANSC 357	Animal Genetics	3	PLSC 215	Weed Identification	1
ANSC 463	Physiology of Reproduction	3	PLSC 225	Principles of Crop Production	3
ANSC 470	Applied Nutrition	4	PLSC 315/L	Genetics/Genetics Lab	3/1
ANSC 496	Field Experience	1-15	PLSC 320	Principles of Forage Production	3
BUSN 340	International Business	3	PLSC 323	Principles of Weed Science	3
BUSN 487	Managerial Economics	4	PLSC 1xx-4xx		
BUSN 3xx/4xx			PAG 115L	Intro to Precision Ag Lab	1
COMM 114	Human Communication	3	PAG 215	Mapping of Precision Ag Data	3
COMM 212	Interpersonal Communication	3	PAG 315	Electronic Systems in Precision Ag	3
COMM 216	Intercultural Communication	3	PAG 454	Principles & Applications of Precision Ag	3
COMM 260	Princ. of Internet Web-Based Design	3	PAG 455	Big Data Management in Precision Ag	3
COMM 308	Bus. & Prof. Speaking	3	PAG 475	Precision Ag Capstone	2
COMM 313	Editorial Processes	3	PAG 496	Field Experience/Internship	1
COMM 362	Princ. of Design for Print	3	PPTH 324	Introductory Plant Pathology	3
COMM 434	Communication Law	3	PPTH 454	Diseases of Field and Forage Crops	3
COMM 482	Organizational Communication II	3	RNG 336	Introduction to Range Management	3
COMM 484	Organ. Advocacy & Issue Mgmt	3	SOIL 210	Introduction to Soil Science	3
COMM 485	Crisis Comm in Public Relations	3	SOIL 217	Introduction to Meteorology & Climatology	3
ECON 105	Elements of Economics	3	SOIL 322	Soil Fertility & Fertilizers	3
ECON 341	Intermediate Microeconomics	3	SOIL 351	Soil Ecology	3
ECON 343	Intermediate Microeconomics	3	SOIL 410	Soils and Land Use	3
ECON 3xx/4xx			SOIL 433	Soil Physics	3
ENT 210	Insects, Humans & the Environment	3	SOIL 444	Soil Genesis and Survey	3
ENT 350	General Entomology	3	SOIL 447	Microclimatology	3
ENT 360	Economic Entomology	1-3	SOIL 465	Soil and Plant Analysis	3
ENT 410	Intergrated Management of Pests	3	SOIL 480	Soils and Pollution	3
ENT 470	Insect Ecology	3			
FIN 320	Principles of Finance	3			
FIN 3xx/4xx					

Program Elective Course Suggestions:

Students graduating from the ASM program have a variety of career goals and opportunities. The lists below suggest courses which may help students prepare for their field(s) of interest. The lists are not all-inclusive and some suggestions may not be appropriate, e.g., livestock courses for crop farmers. The courses listed here meet the "Program Electives" category of the ASM curriculum. Prerequisite courses are not listed and may not count toward "Program Electives."

Production Ag

AGEC 242	Introduction to Agricultural Mangement
AGEC 244	Agricultural Marketing
AGEC 246	Introduction to Agricultural Finance
ANSC 114	Introduction to Animal Sciences
ANSC 123	Feed and Feeding
ANSC 220	Livestock Production
and/or	add'l ANSC courses for specific animals as approp.
ENT 210	Insects, Humans and the Environment
or ENT 350	General Entomology
or ENT 360	Economic Entomology
PLSC 110	World Food Crops
PLSC 215	Weed Identification
PLSC 225	Principles of Crop Production
and/or	add'l PLSC courses for specific crops as approp.
PPTH 324	Introductory Plant Pathology
PPTH 454	Diseases of Field and Forage Crops
SOIL 210	Introduction to Soil Science
SOIL 217	Introduction to Meterology & Climatology
SOIL 322	Soil Fertility and Fertilizers
and/or	add'l SOIL courses as approp.

Precision Agriculture

GEOG 105	Fundamentals of Geographic Info Systems (GIS)
GEOG 455	Intro. to Geographic Information Systems
GEOG 456	Adv. Geographic Inormation Systems
GEOG 470	Remote Sensing
GEOG/GEOG 480	GIS Pattern Analysis & Modeling
PAG 115L	Intro to Precision Ag Lab
PAG 215	Mapping of Precision Ag Data
PAG 315	Electronic Systems in Precision Ag
PAG 454	Principles & Applications of Precision Ag
PAG 455	Big Data Management in Precision Ag
PAG 475	Precision Ag Capstone
PAG 496	Field Experience/Internship
SOIL 210	Intro. to Soil Science
SOIL 322	Soil Fertility and Fertilizers
ME 311	Intro to Aviation
ME 312	Intro to Flight
ME 313	Commercial Instrument Ground School

Ranching

ANSC 114	Introduction to Animal Sciences
ANSC 220	Livestock Production
ANSC 331	Livestock Selection
ANSC 357	Animal Genetics
ANSC 463	Physiology of Reproduction
ANSC 470	Applied Nutrition
and/or	add'l ANSC courses as approp.
RNG 336	Intro to Range Management
RNG 450	Range Plants
RNG 452	Geographic Info Systems in Range Survey
RNG 453	Rangeland Resources Watershed Mgmt
RNG 456	Range Habitat Mgmt
RNG 458	Grazing Ecology
RNG 462	Natural Resource & Rangeland Planning
and/or	add'l RNG courses as approp.
PLSC 110	World Food Crops
PLSC 215	Weed Identification
PLSC 225	Principles of Crop Production
PLSC 320	Principles of Forage Production
PLSC 323	Principles of Weed Science
PLSC 433	Weed Biology & Ecology
PLSC 453	Advanced Weed Science
and/or	add'l PLSC courses as approp.
SOIL 210	Introduction to Soil Science
SOIL 217	Introduction to Meterology & Climatology
SOIL 332	Soil Fertility and Fertilizers
SOIL 410	Soils and Land Use
and/or	add'l SOIL courses as approp.
PPTH 454	Diseases of Field and Forage Crops

Agricultural Sales

AGEC 242	Introduction to Agricultural Mangement
AGEC 244	Agricultural Marketing
AGEC 246	Introduction to Agricultural Finance
AGEC 344	Agricultural Price Analysis
AGEC 347	Principles of Real Estate
AGEC 444	Commodity Trading
AGEC 446	Agribusiness Finance
AGEC 450	National AgriMarketing Association (NAMA)
AGEC 474	Cooperatives
and/or	add'l AGEC courses as approp.
PLSC 215	Weed Identification
PLSC 323	Principles of Weed Science
COMM 212	Interpersonal Communication
COMM 308	Business and Professional Speaking
BUSN 487	Managerial Economics

Grain Marketing

AGEC 242	Introduction to Agricultural Mangement
AGEC 244	Agricultural Marketing
AGEC 246	Introduction to Agricultural Finance
AGEC 344	Agricultural Price Analysis
AGEC 444	Commodity Trading
AGEC 446	Agribusiness Finance
and/or	add'l AGEC courses as approp.
SOILS 210	Introduction to Soil Science
SOILS 322	Soil Fertility and Fertilizers
PLSC 110	World Food Crops
PLSC 215	Weed Identification
PLSC 315/L	Genetics & Lab
PLSC 323	Principles of Weed Science
PLSC 335	Seed Technology & Production
PLSC 340	Grain Grading